

Playing the Same Role

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

Key Leadership for the Education and Environment Initiative:

Linda Adams, Secretary, California Environmental Protection Agency
Patty Zwarts, Deputy Secretary for Policy and Legislation, California Environmental Protection Agency
Andrea Lewis, Assistant Secretary for Education and Quality Programs, California Environmental Protection Agency
Mark Leary, Executive Director, California Integrated Waste Management Board
Mindy Fox, Director, Office of Education and the Environment, California Integrated Waste Management Board

Key Partners:

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Valuable assistance with maps, photos, videos and design was provided by the **National Geographic Society** under a contract with the State of California.

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http://www.calepa.ca.gov/Education/EEI/

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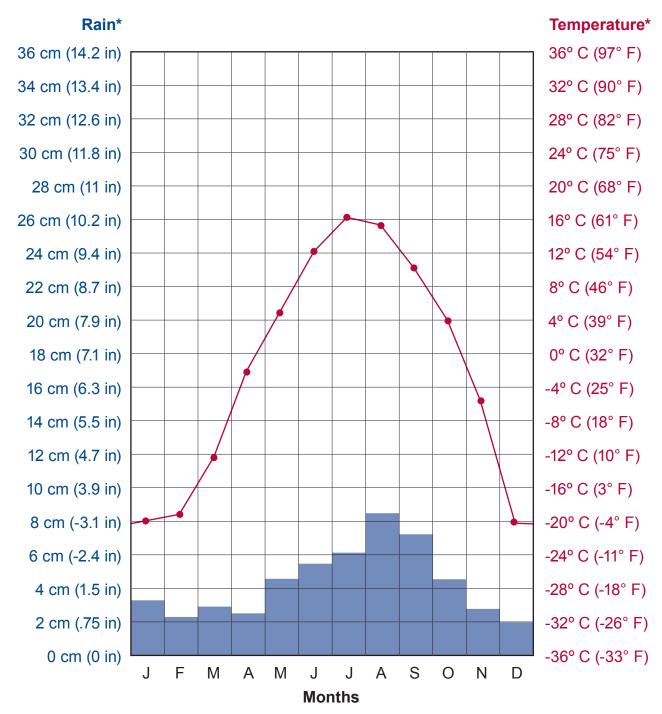
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LESSUIT I Here a Pig, There a Pig
Biome Basics
Lesson 2 What is a Biome?
Identify the Mystery Biomes
World Biomes At a Glance
Lesson 3 What Lives in Which Biome?
None required for this lesson.
Lesson 4 Just Playing a Role
Same Roles, Different Biomes
Lesson 5 Human Uses of Organisms Across Biomes
Comparing Cases

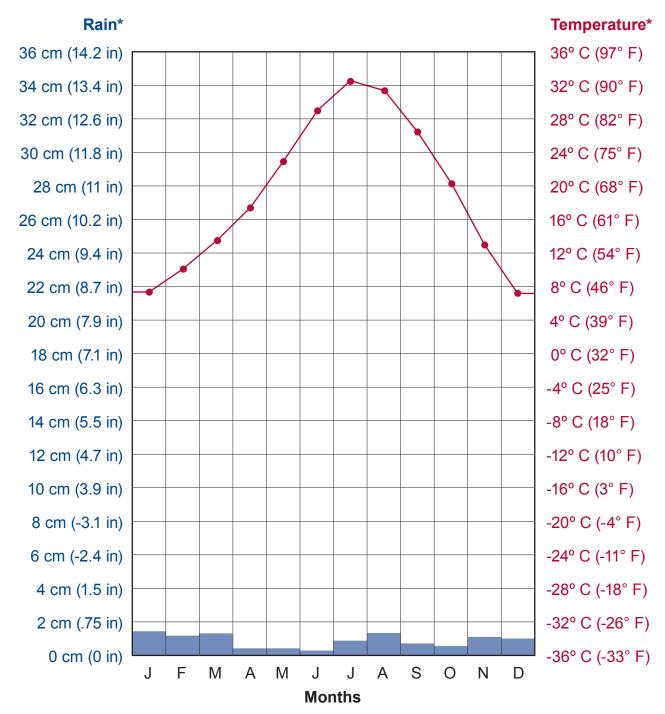
	Name:				
	Instructions: Use the World Biomes posters and California Connections: A Pig's Tale (Student Edition, pages 2–5) to help you answer the following questions in the spaces provided.				
1.	Choose any three biomes, look at the photographs, and describe the producers (plants) you see. Are there trees, shrubs, brush, or grasses? Are the plants tall or low to the ground? Are they close together or spaced apart? (2 points each; 6 points total)				
2.	The producers in grasslands and savanna look very similar. How are they different? (2 points)				
3.	How are desert and savanna biomes similar? (2 points)				
4.	Which biome do you think has the coldest climate? (1 point)				
5.	Which biome do you think has the warmest climate? (1 point)				

Names of group members:		
3 - 1		



^{*}Note: Conversions are approximate.

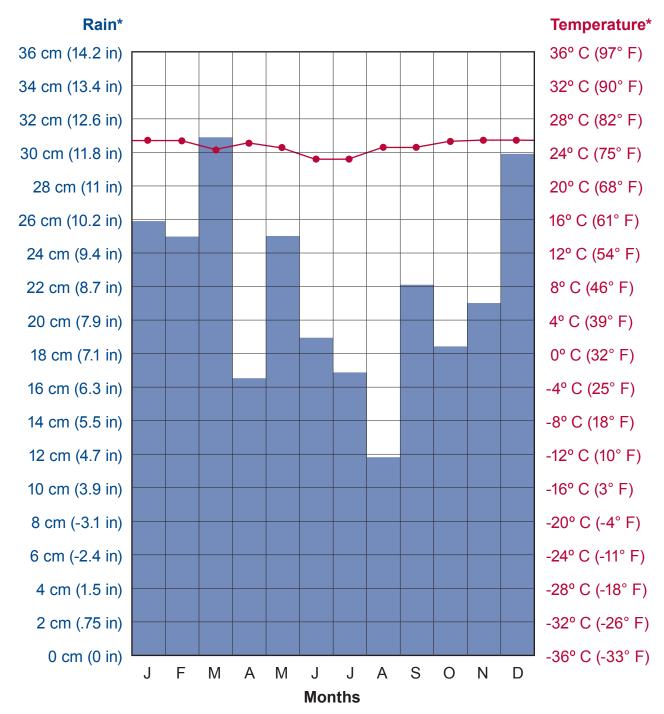
Names of group members: _		
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^{*}Note: Conversions are approximate.

⁴ CALIFORNIA EDUCATION AND THE ENVIRONMENT INITIATIVE | Unit 6.5.d. | Playing the Same Role | Student Workbook

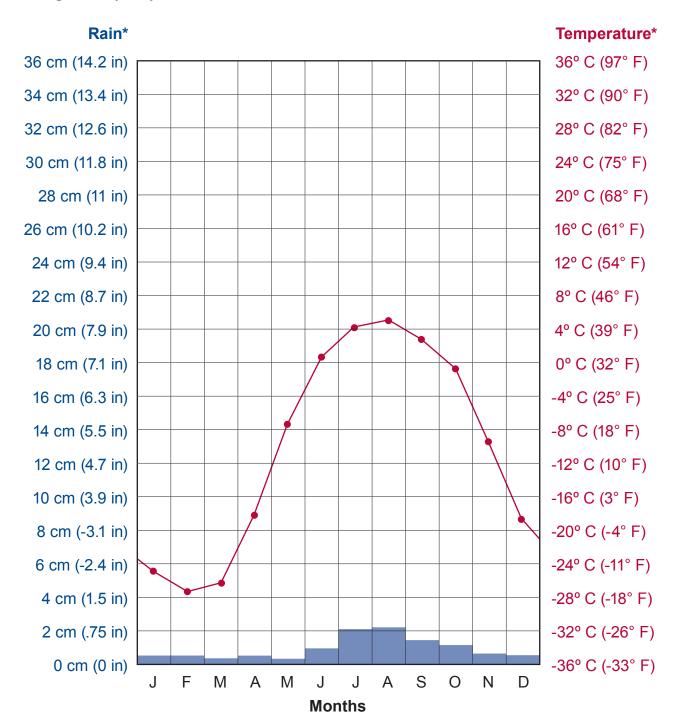
Names of group members: _		
3		



^{*}Note: Conversions are approximate.

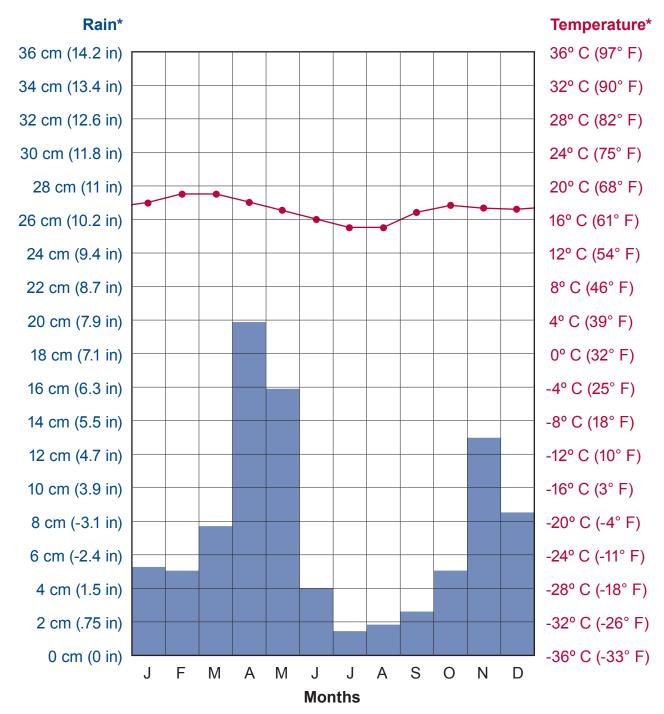
Names of group members:

Climatogram: Mystery Biome



^{*}Note: Conversions are approximate.

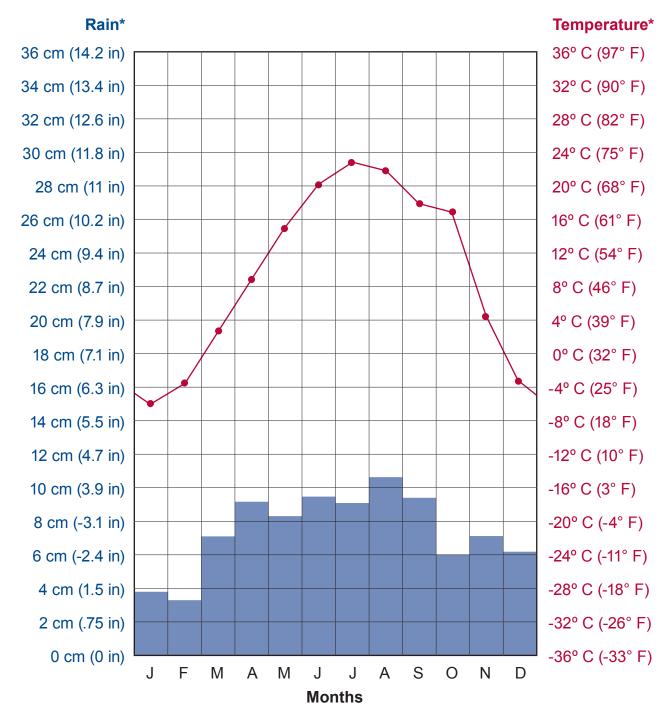
Names of group members: _		



^{*}Note: Conversions are approximate.

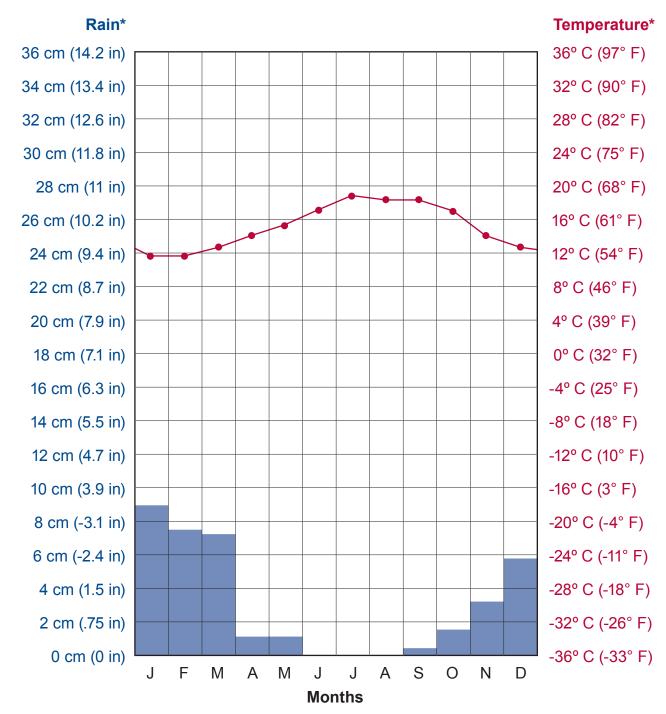
Names of group members:

Climatogram: Mystery Biome



^{*}Note: Conversions are approximate.

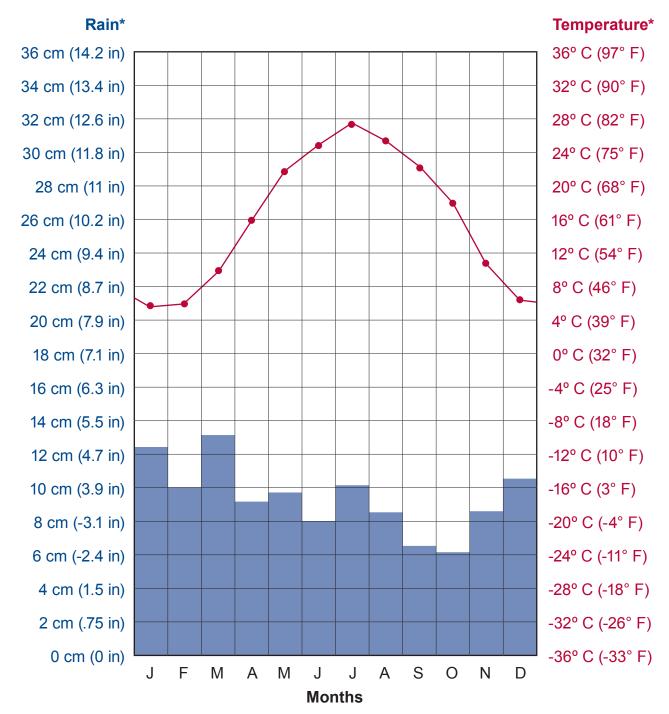
Names of group members: _			
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^{*}Note: Conversions are approximate.

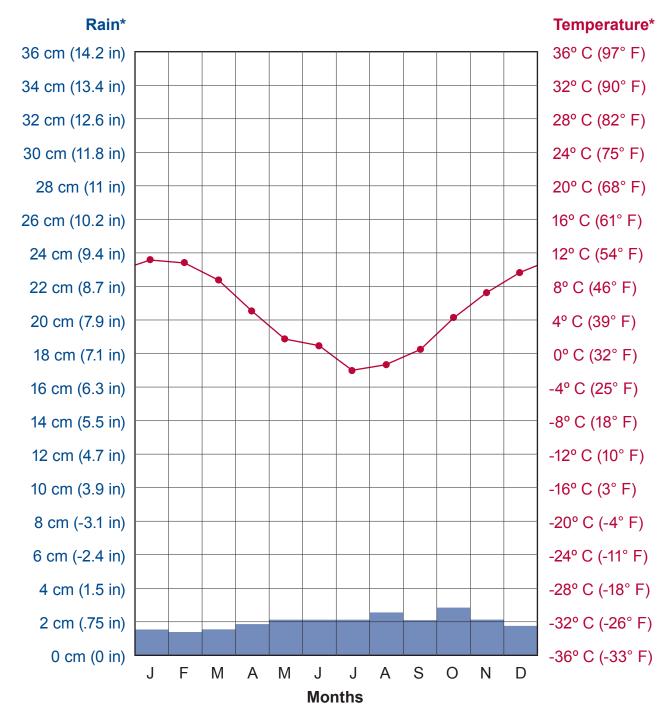
Names of group members: _____

Climatogram: Mystery Biome



^{*}Note: Conversions are approximate.

Names of group members: _		
3		



^{*}Note: Conversions are approximate.

	Name:		
nstructions: Complete the first two columns of the chart below during Lesson 2. Complete the ast two columns during Lesson 3. (1 point per cell)			
Plant Characteristics			
Typical Vegetation			
Climate			
Latitude & Elevation			
	Chaparrai	Savanna	

		Name:
Plant Characteristics		
Typical Vegetation		
Climate		
Latitude & Elevation		
	Rainforest	Deciduous Forest

		Name:
Plant Characteristics		
Typical Vegetation		
Climate		
Latitude & Elevation		
	Taiga (Coniferous Forest)	Tundra

		Name:
Plant Characteristics		
Typical Vegetation		
Climate		
Latitude & Elevation		
	Desert	Grassland

		Name:
Plant Characteristics		
Typical Vegetation		
Climate		
Latitude & Elevation		
	əniqlA	

Name:

Instructions: Review all nine food webs to gather the information you need to complete the chart below. (1 point per cell)

	Producers	Consumers	Decomposers
Chaparral			
Savanna			
Grassland			
Deciduous Forest			

	Producers	Consumers	Decomposers
Rainforest			
Taiga			
Tundra			
Alpine			
Desert			

Instructions: Complete the chart below. (1 point per cell)

	Goats and Grasses in California	Cane Toads in Australia	Eucalyptus in California	Honey Bees in Brazil
Why people used the organisms				
Important ecological roles and characteristics of the organisms				
Effects of people's practices on the organisms or ecosystems				
Differences in native ecosystems and biomes				





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